

1 NAME: FEEDWORKS DEVICE
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5 ABSTRACT

6 An improved apparatus for feeding flat, rigid material through a cutter
7 comprising a continuous drive conveyor belt with a non-skid face, having one
8 or more Guide 'V' belts bonded to its reverse side parallel to the direction of
9 movement, which 'V' belts communicate with corresponding 'V' grooves in the
10 power rollers and the rollers of the feed bed, another continuous drive conveyor
11 belt on the out-put side of the cutter, the movement of both conveyors being
12 synchronized by a timing/drive belt which transfers the motor drive to the inside
13 rollers of the out-put and the in-put sides, and having from above regularly
14 spaced hold-down rollers along the span of both conveyors to keep the rate of
15 movement of the flat material through the cutter consistent. This apparatus has
16 its preferred application in the lumber industry for trimming defects and/or
17 wanes from wood boards, so that the boards maintain consistent position in the
18 horizontal plane while traveling through the cutters.

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